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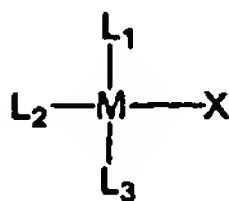
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(54) Title: COORDINATION COMPLEX



(I)

(57) Abstract: The present invention provides a complex of formula (I) wherein M is Ca, Mg, Ba or Sr; L₁ is selected from R¹O, R²S, R³R⁴N, R⁵R⁶P, a substituted or unsubstituted cyclopentadienide, and a substituted or unsubstituted pyrazolyl group, where R¹⁻⁶ are each independently H or hydrocarbyl; L₂ is selected from R⁷R⁸O, R⁷R⁸S, R⁷R⁸R⁹N, R⁷R⁸C=NR⁹, PR⁷R⁸R⁹, and a substituted or unsubstituted heterocycle containing one or more O, N or S atoms, where R⁷⁻⁹ are each independently H or a hydrocarbyl group; or L₁ and L₂ are linked to form a bidentate ligand; L₃ is absent or is a solvent molecule, or a neutral ligand as defined for L₂, wherein L₃ may be the same or different to L₂; or L₃ is linked to a further metal center; or L₁, L₂ and L₃ are linked to form a tridentate ligand; and X is an alkyl group, an aryl group, an aryloxy, an amide group, or an enolate group of formula R¹⁰R¹¹C=CR¹²O-, wherein R¹⁰⁻¹² are each independently H or hydrocarbyl; with the proviso that when L₁ and L₂ are {HC(C(CH₃)=N-2,6-ⁱPr₂C₆H₃)₂} and M is magnesium, X is other than Me or ^tBu.